



IFW

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Application No. : 10/659,326  
Applicant : HARASHIMA, ET AL.  
Filed : SEPTEMBER 11, 2003  
Title : METHOD FOR MODIFYING CHROMOSOMES

Art Unit : 1651  
Examiner : TO BE ASSIGNED

Atty Docket No. : NANJ-0009-1

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The below-identified communication(s) is (are) submitted in the above-captioned application or proceeding:

- ☒ Information Disclosure Statement
- ☒ Form 1449 w/references
- ☒ Deposit Account Authorization.

- ☒ The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. §§ 1.16 and 1.17 or credit any overpayment to **Deposit Account Number 10-0233-NANJ-0009-1.**

Respectfully submitted,

---

Ajay A. Jagtiani  
Registration Number 35,205

**JAGTIANI + GUTTAG**  
Democracy Square Business Center  
10363-A Democracy Lane  
Fairfax, Virginia 22030  
(703) 591-2664

September 30, 2004



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Application No. : 10/659,326  
Applicant : HARASHIMA, ET AL.  
Filed : SEPTEMBER 11, 2003  
Title : METHOD FOR MODIFYING CHROMOSOMES

Art Unit : 1651  
Examiner : TO BE ASSIGNED

Atty Docket No. : NANJ-0009-1

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

**INFORMATION DISCLOSURE STATEMENT**

Sir:

Pursuant to 37 C.F.R. §§ 1.51(b), 1.56, 1.97 and 1.98, this Information Disclosure Statement is submitted in the above-identified patent application. A listing of documents to be published on the face of any patent granted from this application is submitted herewith on Form PTO-1449. Any other documents or information submitted for consideration by the Examiner are listed in this paper. A copy of each foreign patent, or each publication or portion thereof listed or herein identified, is submitted herewith, except that a copy of any U.S. patent application identified herein or any patent, publication or other information listed herein cited or submitted in a prior application relied upon for an earlier filing date under 35 U.S.C. § 120 and identified below, is not submitted herewith.

**CERTIFICATION**

It is hereby certified that each item of information contained in this statement was cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this statement.

**Serial Number: 10/659,326**

The Commissioner is hereby authorized to charge payment of any fees associated with this communication, including fees under 37 C.F.R. §§ 1.16 and 1.17 or credit any overpayment to **Deposit Account Number 10-0233-NANJ-0009-1**.

The Examiner is requested to acknowledge consideration of the information provided in this paper in accordance with prescribed procedures.

Respectfully submitted,



---

Ajay A. Jagtiani  
Registration Number 35,205

**JAGTIANI + GUTTAG**  
Democracy Square Business Center  
10363-A Democracy Lane  
Fairfax, Virginia 22030  
(703) 591-2664

September 30, 2004



Form PTO 1449  U.S. Department of Commerce Patent and Trademark Office  Information Disclosure Statement by Applicant	ATTY. DOCKET NUMBER <b>NANJ-0009-1</b>	SERIAL NUMBER <b>10/659,326</b>
	APPLICANT <b>Harashima, et al.</b>	
	FILING DATE <b>September 11, 2003</b>	GROUP

## U.S. Patent Documents

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE

## Foreign Patent Documents

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
	<b>WO 98/54348</b>	<b>Dec. 3, 1998</b>	<b>WIPO</b>				

## Other Documents (Including Author, Title, Date Pertinent Pages, Etc.)

	European Search Report, May 16, 2004
	Ascenzioni, <i>et al.</i> , "Functional Telomere Formation in Yeast Using Synthetic C <sub>4</sub> A <sub>2</sub> Sequences," <i>Plasmid</i> 23, pages 16-26 (1990).
	Reeves, <i>et al.</i> , "Yeast Artificial Chromosome Modification and Manipulation," <i>Methods in Enzymology</i> , Vol. 216.
	Pavan, <i>et al.</i> , "High-efficiency Yeast Artificial Chromosome Fragmentation Vectors," <i>Gene</i> , 106 (1991) pages 125 - 127.
	Pluta, <i>et al.</i> , "Recombination Occurs During Telomere Formation in Yeast," <i>Nature</i> , Vol. 337, 2 February 1989.
	Vollrath, <i>et al.</i> , "Physical Mapping of Large DNA by Chromosome Fragmentation," <i>Proc. Natl. Acad. Sci. USA</i> , Vol. 85, pages 6027-6031, August 1988.
	Widianto, <i>et al.</i> , "Creating a <i>Saccharomyces cerevisiae</i> Haploid Strain Having 21 Chromosomes," <i>Journal of Bioscience and Bioengineering</i> , Volume 95, No. 1, pages 89-94, 2003.
	Widianto, <i>et al.</i> , "One-Step Splitting of a Chromosome in Haploid Cells of <i>Saccharomyces cerevisiae</i> and Its Effect on the Cell Proliferation," <i>Journal of Fermentation and Bioengineering</i> , Vol. 82, No. 3, pages 199-204, 1996.
EXAMINER	DATE CONSIDERED
EXAMINER: Initial if citation is considered, whether or not citation is in conformance with MPEP 609; draw a line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant	